CLAIMS

What is claimed is:

1. A multi-memory media adapter comprising;

a first planar element having an upper surface and a lower surface;

a second planar element having an upper surface and a lower surface;

a spacer disposed between the first planar element and the second planar element such that a port is formed between the lower surface of the first planar element and the upper surface of the second planar element, the port capable of receiving a memory media card;

at least one set of contact pins protruding from the lower surface of the first planar element or the upper surface of the second planar element such that the at least one set of contact pins are disposed within the port, the at least one set of contact pins capable of contacting a set of memory media card contacts; and

a third planar element, adjacent to the second planar element, the third planar element having a standard system connector surface-mounted thereon, the standard system connecter electrically connected to the at least one set of contact pins.

2. The multi-memory media adapter of claim 1 wherein the first planar element and the second planar element are formed from molded plastic.

3. The multi-memory media adapter of claim 1 wherein the second planar element and the third planar element comprise a single PCB.

4. The multi-memory media adapter of claim 2 wherein the port contains multiple registrations, each registration corresponding to a memory media card type.

5. The multi-memory media adapter of claim 4 wherein the memory media card type is selected from the group consisting of SmartMedia card, MultiMediaCard, Secure Digital card, Memory Stick, and a flash media having similar form factor.

6. The multi-memory media adapter of claim 1 wherein the standard system connector is selected from the group consisting of a PCMCIA connector, an IDE and a CompactFlash connector.

7. The multi-memory media adapter of claim 2 wherein the contact pins are integrated within the molded plastic.

8. The multi-memory media adapter of claim 1 wherein the contact pins are formed such that contact pin resiliency is retained.

9. The multi-memory media adapter of claim 1 wherein the contact pins are formed such that the terminal end of the contact pin is pushed away from the memory media card contact thereby helping to prevent the contact pin from being damaged during removal of the memory media card.

10. The multi-memory media adapter of claim 1 having a first set of nine contact pins protruding from the lower surface of the first planar element, a second set of ten contact

pins protruding from the lower surface of the first planar element, a third set of eleven contact pins protruding from the upper surface of the second planar element, and a fourth set of eleven contact pins protruding from the upper surface of the second planar element.

11. The multi-memory media adapter of claim 1 having 21 contact pins configured to accommodate a SmartMedia card, a MultiMediaCard, a Secure Digital card, and a Memory Stick

12. The multi-memory media adapter of claim 11, wherein a controller chip is used to differentiate a pin configurations for each of the SmartMedia card, a MultiMediaCard, a Secure Digital card, and a Memory Stick

13. The multi-memory media adapter of claim 7 wherein a light pipe is locked between the first planar element and the second planar element such that light from a signal lamp located on the third planar element is conducted through the port.

14. A system comprising:

a multi-memory media adapter capable to read data from each of a plurality memory media, the multi-memory media adapter formed such that a port is formed between an upper portion and a lower portion of the multi-memory media adapter, the port capable of receiving a memory media card, the multi-memory media adapter having at least one set of contact pins protruding from the upper portion or the lower portion, the at least one set of contact pins capable of contacting a set of memory media card contacts; and

a standard system connector to transmit data to a digital processing system, the standard system connector surface-mounted on an adjacent portion of the multi-memory media adapter adjacent to the lower portion, the standard system connector electrically connected to the at least one set of contact pins.

15. The system of claim 14 wherein the multi-memory media adapter is formed from a molded material.

16. The system of claim 14 wherein the port contains multiple registrations, each registration corresponding to a memory media card type.

17. The multi-memory media adapter of claim 16 wherein the memory media card type is selected from the group consisting of SmartMedia card, MultiMediaCard, Secure Digital card, Memory Stick, and a flash media having similar form factor.

18. An apparatus comprising:

a first element formed from molded plastic;

a second element formed from molded plastic and coupled to the first element such that a port is formed between the first element and the second element, the port capable of receiving a memory media card;

at least one set of contact pins protruding from either the first element or the second element such that the at least one set of contact pins are disposed within the port, the at least one set of contact pins capable of contacting a set of memory media card contacts; and

a third element, adjacent to the second element, the third element having a standard system connector surface-mounted thereon, the standard system connecter electrically connected to the at least one set pf contact pins.

19. The apparatus of claim 18 wherein the port contains multiple registrations, each registration corresponding to a memory media card type selected from the group consisting of SmartMedia card, MultiMediaCard, Secure Digital card, Memory Stick, and a flash media having similar form factor.

20. The multi-memory media adapter of claim 19 wherein the set contact pins comprises 21 contact pins, the 21 contact pins integrated within the molded plastic and configured to accommodate a SmartMedia card, a MultiMediaCard, a Secure Digital card, and a Memory Stick